![VIVOTEK logo]

S series

NR9681

H.265 2U 64-CH NVR

H.265 • VAST Inside • 64 Channel • 8x HDD • ONVIF • Dual LAN • Fisheye Dewarp • Local Display • RAID • Redundant Power

- H.265/H.264 Compression Technology
- 64-CH Recording, 64 Display
- Support HDMI, Display Port, VGA and DVI Simultaneous Output
- 8 Hot-Swappable HDD Bays
- Support RAID 0/1/5/6/10 Storage
- Max Support up to 80TB HDD
- Redundant Power
- VIVOTEK VAST Inside (LiveClient/Playback)
- Dual Lan Giga Network Ports
- ONVIF Open Platform

Technical Specifications

Device

Model	NR9681
OS	Embedded Windows 7 (*Please refer to VIVOTEK Website for more information about Win7/Win10 embedded upgrade)
Watchdog	Hardware + Software
Power Restoration	System Restart Automatically after Power Recovery

Local Display

LiveView Display	64 Channels (with Dual Monitors) Multi-Layout Display: 1x1, 2x2, 1+5, 3x3, 1+12, 4x4, 5x5, 1+31, 8x8, 1P+2, 1P+6, 1P+8, 2V, 3V, 4V, 2V+3 Single Layout Display, Full Screen Display, Sequential Display
Video Output	HDMI x1, Display Port x1, VGA x1, DVI x1
Display Resolution	HDMI: 3200x2000 DP: 3200x2000 VGA/DVI: 1920x1200
Dual Monitor	Supported
Camera Position	Change the viewcell position on the Live View screens
Stream Application	Stream Selection & Auto Stream Size
Monitor Enhancement	Drag & Drop, Remote I/O Control, PiP (Digital Zoom), Instant Replay, De-interlace, Video Display Mode (Aspect Ratio, Hide Borders, Keep Top/Down Borders), Video Enhancement (Basic Mode: Brightness, Contrast, Saturation, Hue; Intelligent Mode: Defog, Rain, Snow, Fire / Smoke)
Fisheye Dewarp	1O, 1P, 1R, 1P2R, 1P3R, 1O3R, 1O8R, 2P, 4R, 4R Pro
PTZ Operation	Direction Control, Home, Zoom, Focus, Iris, Preset, Patrol (Group), Pan, Stop, Speed

Video

Video Format	H.265, H.264 SVC, H.264 AVC, MPEG4, MJPEG
Graphic Decoder	Software decoding
Decoding Resolution	Up to 8192x8192
Decoding Capability	H.264: 1920x1080 @ 300 fps H.265: 1920x1080 @ 150 fps

Audio

Audio Format	G.711, G.726, AMR, AAC
Audio In/Out	Microphone audio jack Input x1 3.5 Line input audio jack x1 3.5 Line output audio jack x1
2-way Audio	Supported

Record

Recording Time (sec.)	Pre-Record: 3-15 Post-Record: 10-60
Recording Stream	Single/Multiple
Recording Throughput	512 Mbps
Recording Mode	Continuous, Schedule, Manual, Event, Activity Adaptive Streaming
Recording Setting	Recycle (unit: Size or Day)
Seamless Recording	Supported

Storage & Backup

HDD Devices	Hot-Swappable Tray x8 *HDD is purchased by separately.
HDD Max. Capacity	*Please refer to the HDD supported list on the VIVOTEK website.
RAID	RAID 0, 1, 5, 6, 10
Disk Management	Create, Format and Remove Disk
Video Clip Export	USB Dongle (FAT Format) NAS (SMB & CIFS)
Schedule Backup	NAS (SMB & CIFS)

Playback

Playback Display	16 Channels Multi-Layout Display: 1x1, 2x2, 1+5, 3x3, 1+12, 4x4, 2V, 3V, 4V, 2V+3 Single Layout Display, Full Screen Display, Sequential Display
Playback Control	Play, rewind, pause, stop, next/previous video start, next/previous frame, 1/8X ~ 64X speed control, bookmark
Video Search	Browsing, date & time (fast), event, bookmark, alarm, log, timeline, timeline scale
Snapshot	BMP & JPEG
Video Clip Export	AVI, 3GP & EXE

Network

Ethernet	10/100/1000Mbps Ethernet (RJ-45) x2
Video Throughput for Remote Client	400 Mbps
Protocols	IPv4, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, SMTP, FTP, DHCP, NTP, DNS, DDNS, IP Filter

Alarm Management

Alarm Period (sec.)	Max. 30
Alarm Filter	Name, time, source, event type, state
Alarm Setting	LiveView alarm notification: fixed & popup, alert sound
Schedule Type	Continuous, schedule, manual
Camera Event	Motion, DI/O, video lost/restore, PIR, tampering, temperature, IR, PPTZ, line crossing detection, loitering detection, field detection, audio detection, SD card life expectancy detection, shock detection, ONVIF motion event, ONVIF DI/O, ONVIF video lost/restore
Camera Status	Connection status, recording status, recording error
Substation	Substation connection status, substation DI/DO trigger* *(ND series NVR)
Storage Status	Storage connection status, storage capacity status
Station Status	License status, network status, virtual memory status
External Devices Event	DI/O (with I/O box)
Action	Email, start recording, move to preset location, set DO, GSM short message, HTTP & client notification
Alarm State for Management	New, assigned, in progress, resolved, closed, later, reject, ignore
Alarm Result Export	.csv File

eMap

Source	Import picture
Device	Camera, external DI/O, substation camera, substation DI/O* *(ND series NVR)
Marked	Add, remove, direction control, PTZ control & indicator LiveView
Event Notification	Event icon light flash, show live streaming on eMap

External Interface

USB	USB 2.0 x4 USB 3.0 x2
Audio	Microphone audio jack Input x1 3.5 Line input audio jack x1 3.5 Line output audio jack x1

System

POS Integration	Supported
UPS Integration	Supported
Camera Integration	ONVIF core spec 2.2 or later
I/O Box Integration	Advantech ADAM-6000 Series CHIYU CYT-133SC
User Management	Authentication: Basic Account / Windows AD Account User Account: 1024 User Account Time Limit: No limitation, By Time & By Day User Account Time Schedule: Weekly Setting User Level: Administrator / Power User / User / Operation / Guest
Log	Operation, system and event log
Date & Time	Sync server

Advanced Features

VCA Counting Solution	Supported
Failover	Supported

Remote Client

Software AP	Shepherd, VAST
Mobile/Tablet App	iViewer (iOS/Android)
Web Browser	Internet Explorer 9 (32 bit) or above

General

Power Input	Redundant power 100~220V AC
Power Consumption	Max. 740 W
Redundant Power	Supported
80 Plus Certified	Platinum
Dimensions	89 (H) x 437 (W) x 648 (D) mm
Weight	27 kg (without HDD)
Operating Temperature	5°C ~ 35°C (41°F ~ 95°F)
Humidity	0 ~ 95%
Safety Certifications	CE, LVD, FCC, VCCI, C-Tick, UL
Warranty	36 months

Dimensions

89 mm

648 mm

437 mm